

FIG. 1

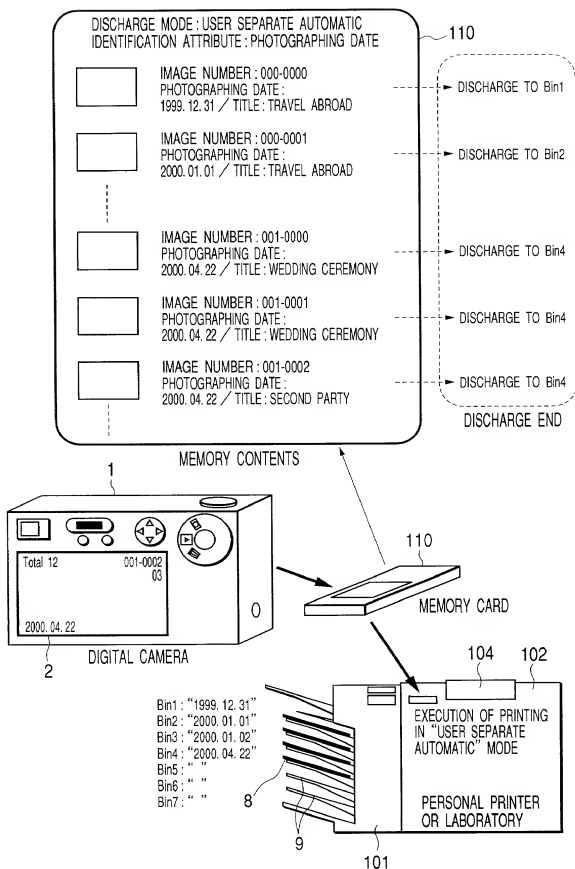


FIG. 2

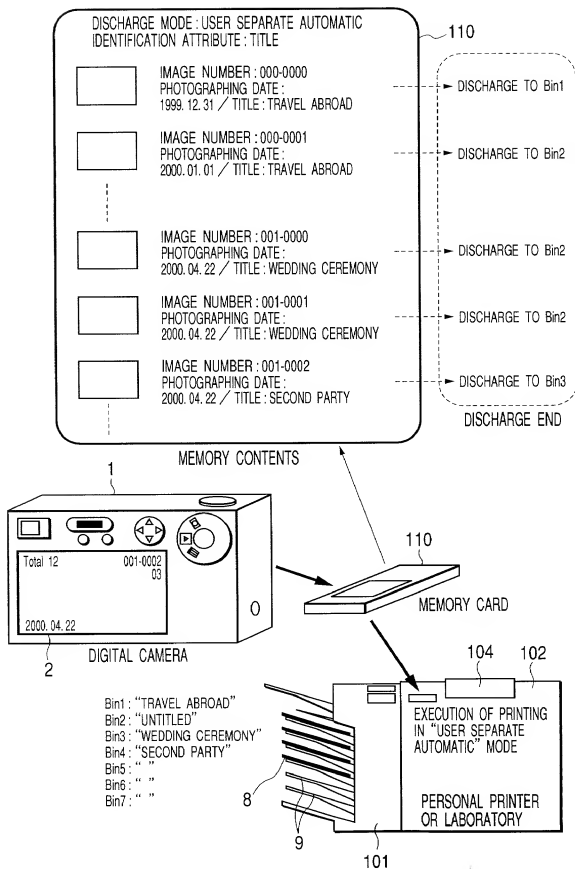


FIG. 3

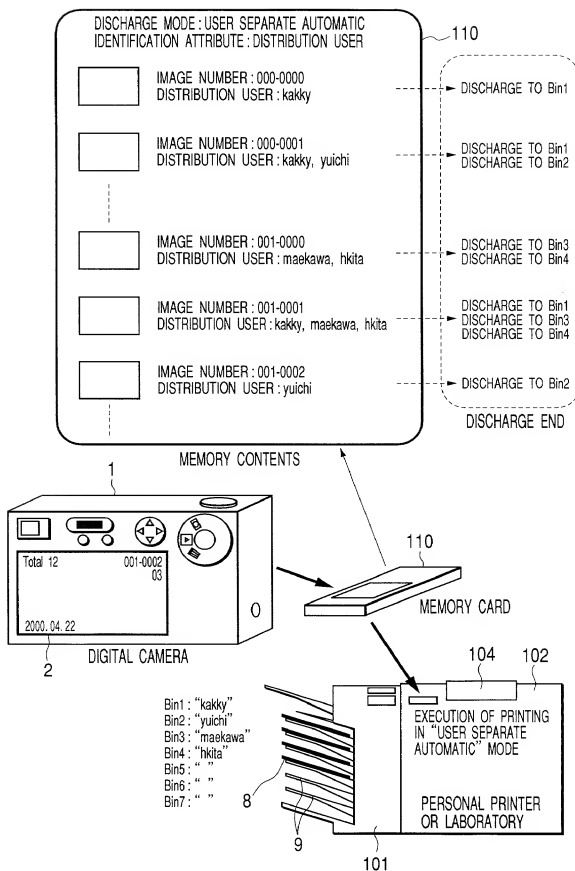


FIG. 4

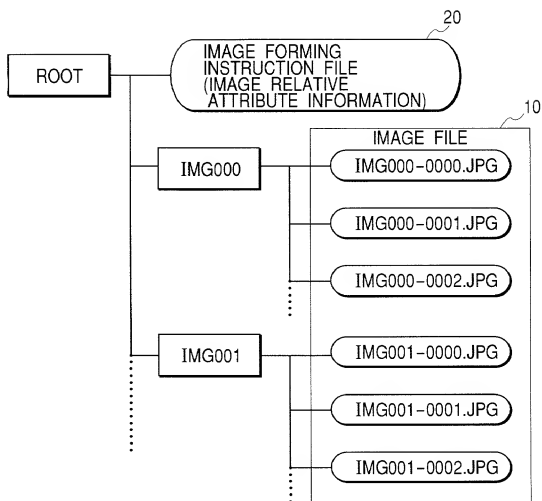


FIG. 5

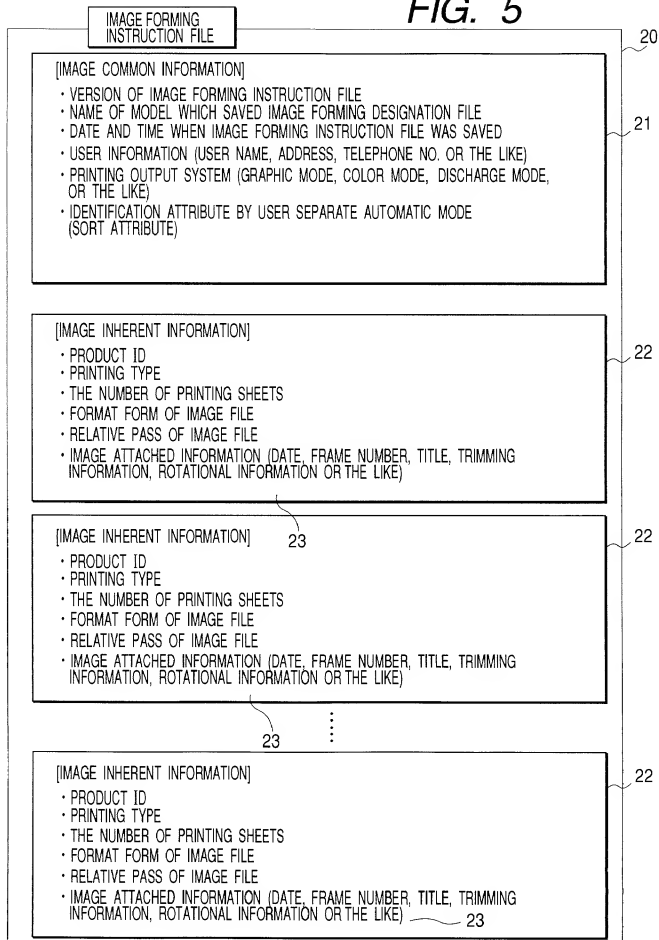


FIG. 6

PRINTING DESIGNATION IMAGE ON IMAGE RECORDING DEVICE

104

PRINTING MEMORY CARD

IMAGE DESIGNATION : INDEX+ALL IMAGES ▼

MEDIA :

- PLAIN PAPER ▲
- POSTCARD
- PHOTOGRAPH**
- GLOSSY PAPER
- OHP SHEET ▼

SORT METHOD :

- OWNER ▲
- DATE**
- TITLE
- DISTRIBUTION USER
- DIRECTORY ▼

IS IT OK TO START PRINTING IN THE ABOVE SETTING ?

OK CANCEL

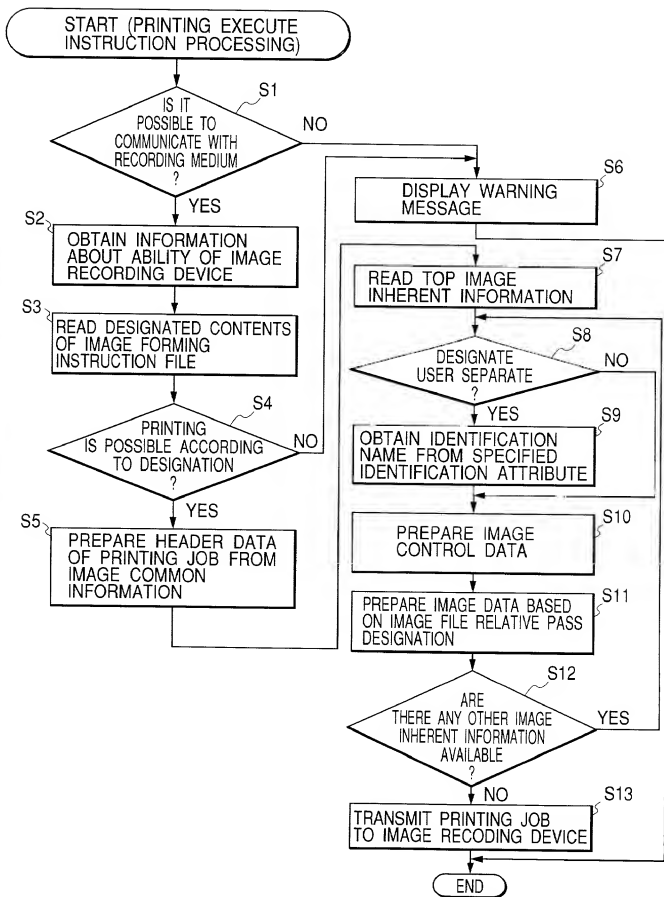


FIG. 8

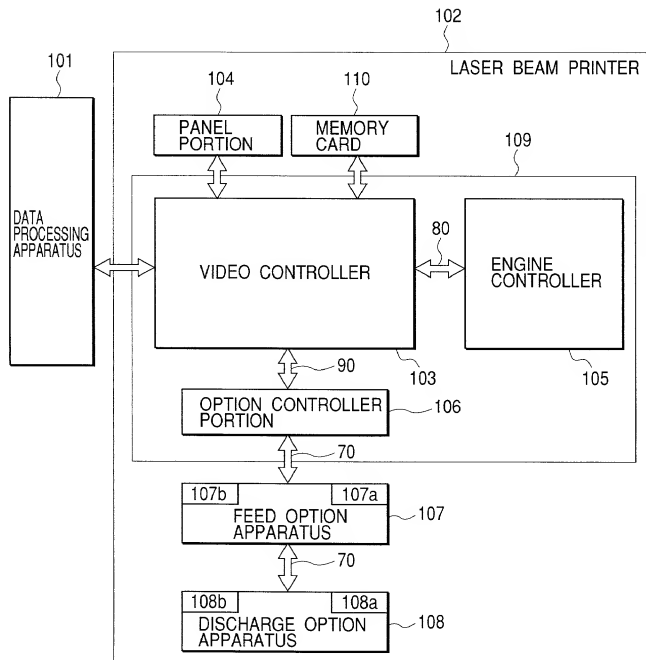


FIG. 9

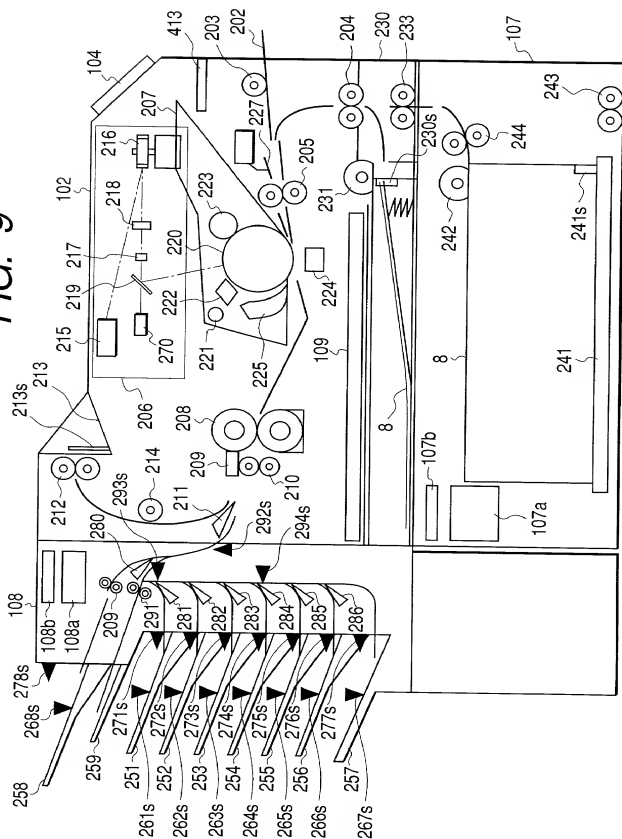


FIG. 10

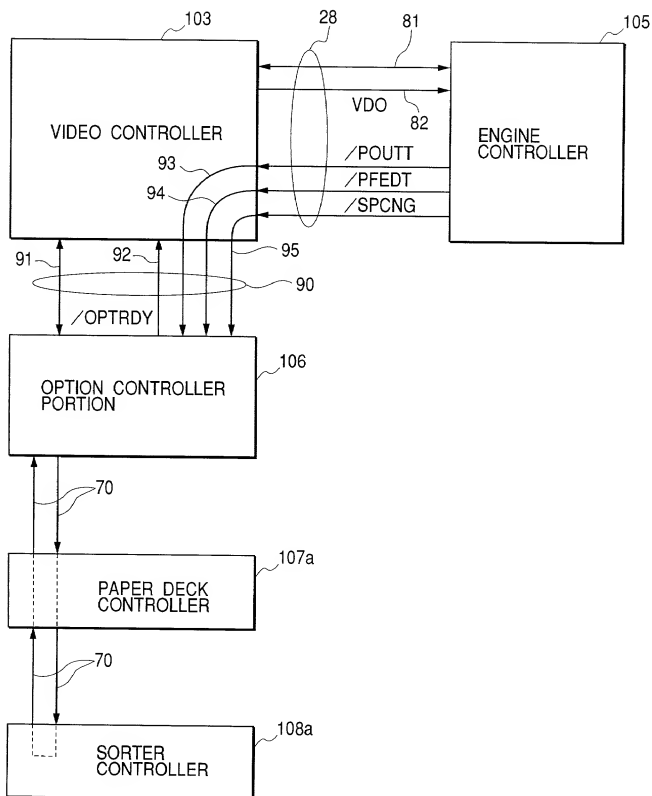


FIG. 11

VC . . . VIDEO CONTROLLER
 EC . . . ENGINE CONTROLLER

| SIGNAL NAME | DIRECTION | CONTENTS |
|-------------|-----------|---|
| /CPRDY | VC → EC | A SIGNAL SHOWING THAT A VIDEO CONTROLLER 103 IS IN A STATUS CAPABLE OF COMMUNICATING WITH AN ENGINE CONTROLLER 105 |
| /PPRDY | VC ← EC | A SIGNAL SHOWING THAT THE ENGINE CONTROLLER 105 IS IN A STAND-BY STATUS CAPABLE OF COMMUNICATING WITH THE VIDEO CONTROLLER 103 |
| /RDY | VC → EC | A SIGNAL SHOWING THAT THE ENGINE CONTROLLER 105 IS IN A STAND-BY STATUS CAPABLE OF PRINTING |
| /PRNT | VC → EC | A SIGNAL FOR THE VIDEO CONTROLLER 103 TO MAKE A REQUEST FOR A PRINTING TO THE ENGINE CONTROLLER 105 |
| /VSREQ | VC ← EC | A SIGNAL FOR THE ENGINE CONTROLLER 105 TO MAKE A REQUEST FOR A VERTICAL SYNCHRONIZING SIGNAL TO THE VIDEO CONTROLLER 103 |
| /VSYNC | VC → EC | THE VERTICAL SYNCHRONIZING SIGNAL WHICH THE VIDEO CONTROLLER 103 OUTPUTS TO THE ENGINE CONTROLLER 105 |
| /BD | VC ← EC | THE HORIZONTAL SYNCHRONIZING SIGNAL WHICH THE ENGINE CONTROLLER 105 OUTPUTS TO THE VIDEO CONTROLLER 103 |
| /CCRT | VC ← EC | A SIGNAL NOTIFYING TO THE VIDEO CONTROLLER 103 OF A STATUS CHANGE WHEN THE CONTENT OF A STATUS NOT RELATING DIRECTLY TO A RDY SIGNAL HAS CHANGED AND BECOMES "TRUE" |
| /SCLK | VC → EC | A SYNCHRONIZING CLOCK SIGNAL FOR A SERIAL COMMUNICATION |
| /CMD | VC → EC | A COMMAND SIGNAL BY WHICH THE VIDEO CONTROLLER 103 INSTRUCTS THE ENGINE CONTROLLER 105 |
| /CBSY | VC → EC | A STROBE SIGNAL FOR OUTPUTTING A COMMAND |
| /STS | VC ← EC | A SIGNAL SHOWING A STATUS INSIDE THE ENGINE WHICH IS OUTPUTTED TO A COMMAND FROM THE VIDEO CONTROLLER 103 |
| /SBSY | VC ← EC | A SIGNAL FOR A STATUS OUTPUT |

FIG. 12

VC . . . VIDEO CONTROLLER
 OC . . . OPTION CONTROLLER
 EC . . . ENGINE CONTROLLER

| SIGNAL NAME | DIRECTION | CONTENTS |
|--------------------------|-----------------------------|--|
| SERIAL COMMUNICATION I/F | VC \longleftrightarrow OC | I/F WHICH PERFORMS A FEED DESIGNATION TO A FEED OPTION, A DISCHARGE DESIGNATION TO A DISCHARGE OPTION, A COMMAND DESIGNATION OR THE LIKE THROUGH A COMMON MEMORY |
| /OPTRDY | VC \longleftarrow OC | SHOWS A READY STATUS FOR A FUNCTION WITH WHICH A DESIGNATION OPTION APPARATUS IS PROVIDED |
| /POUTT | EC \longrightarrow OC | A TIMING SIGNAL BY WHICH A PRINTER MAIN BODY DISCHARGES A RECORDING PAPER |
| /PFEDT | EC \longrightarrow OC | A TIMING SIGNAL BY WHICH THE PRINTER MAIN BODY RECEIVES A RECORDING PAPER FROM AN OPTION UNIT |
| /SPCNG | EC \longrightarrow OC | A SIGNAL FOR SLOWING DOWN A SPEED OF THE RECORDING PAPER CONVEYED AT HIGH SPEED INSIDE THE POTION APPARATUS AND ADJUSTING IT TO THE CONVEYING SPEED OF THE PRINTER MAIN BODY |

FIG. 13

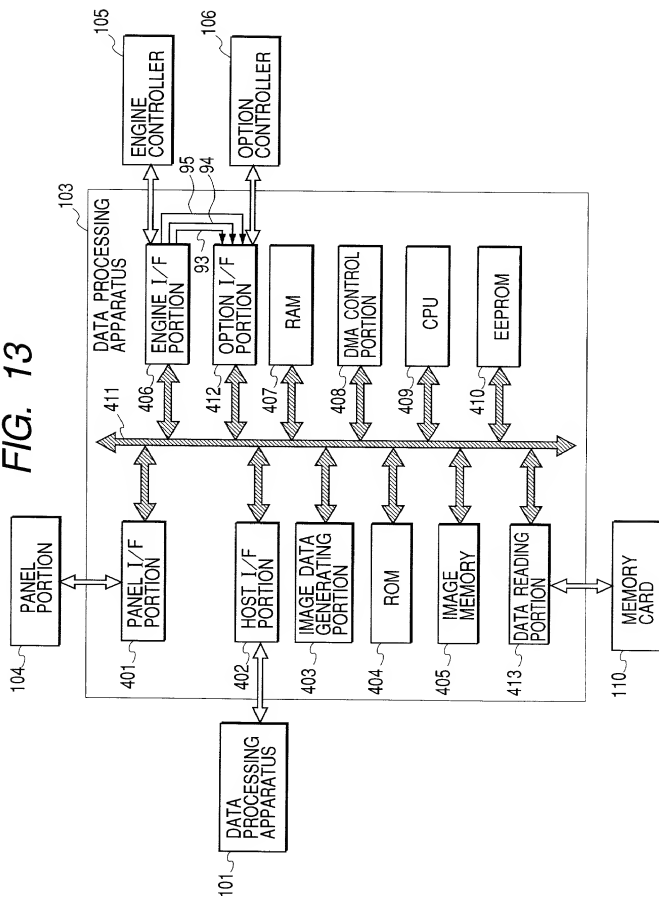


FIG. 14

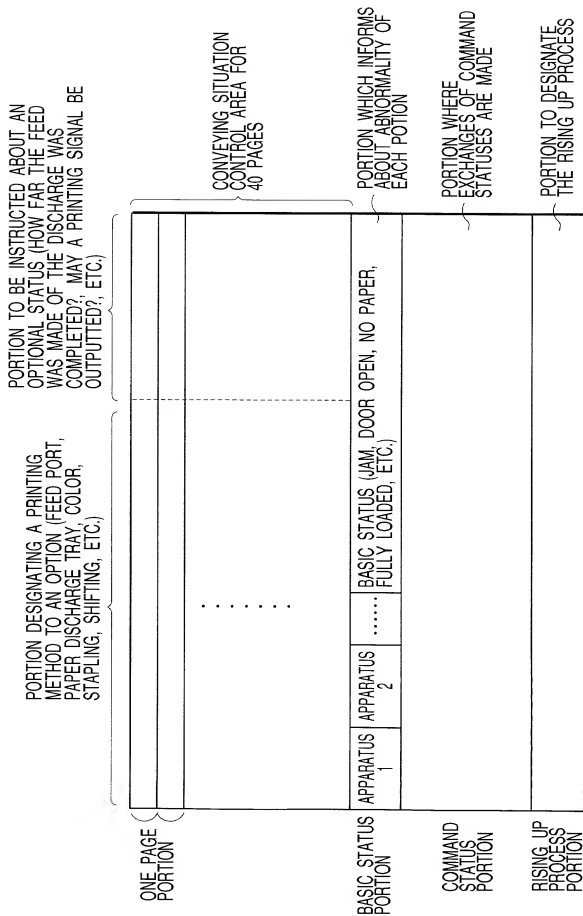


FIG. 15A

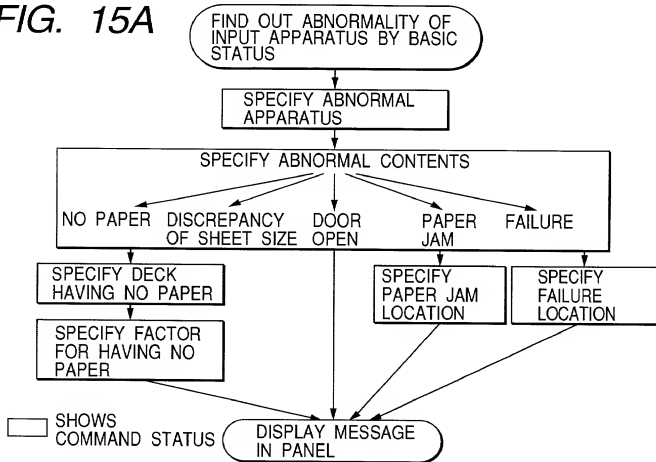


FIG. 15B

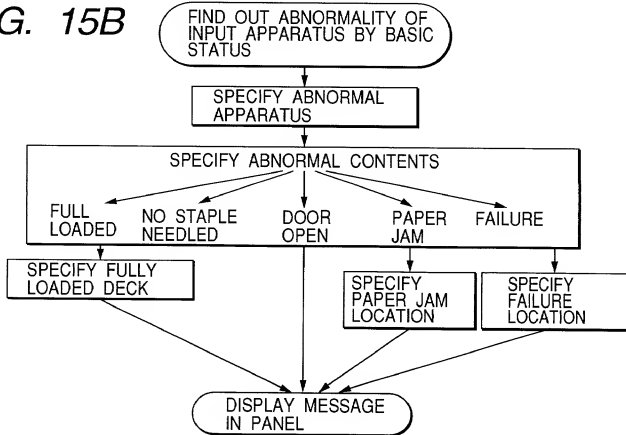


FIG. 16

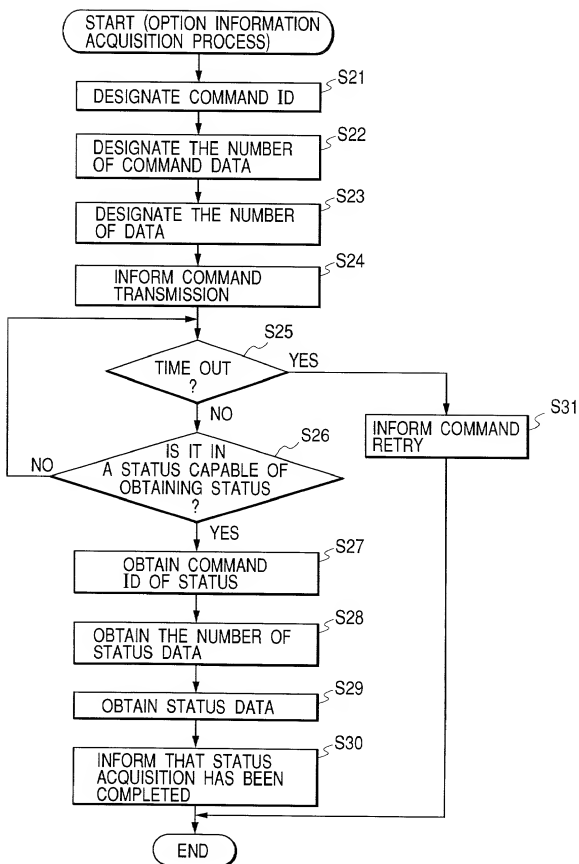


FIG. 17

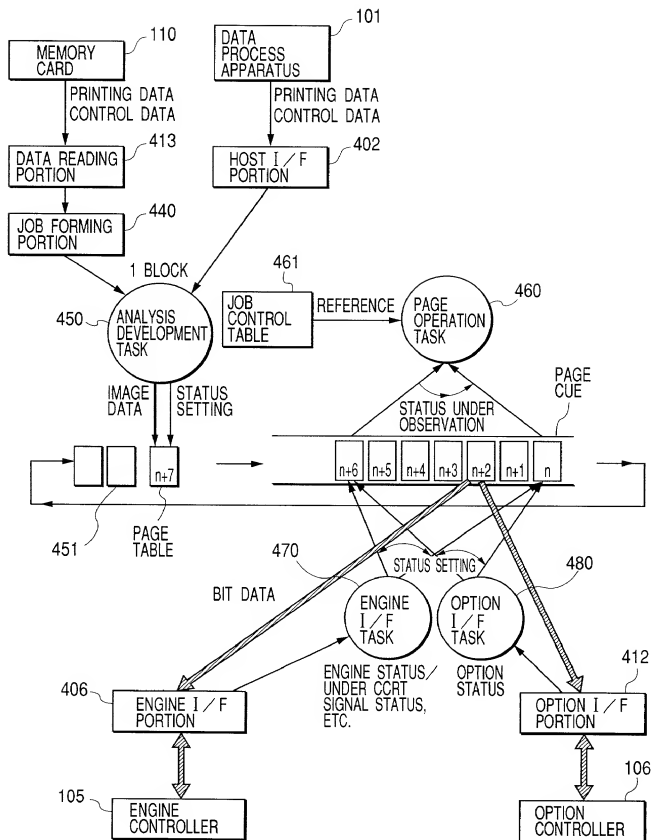


FIG. 18A

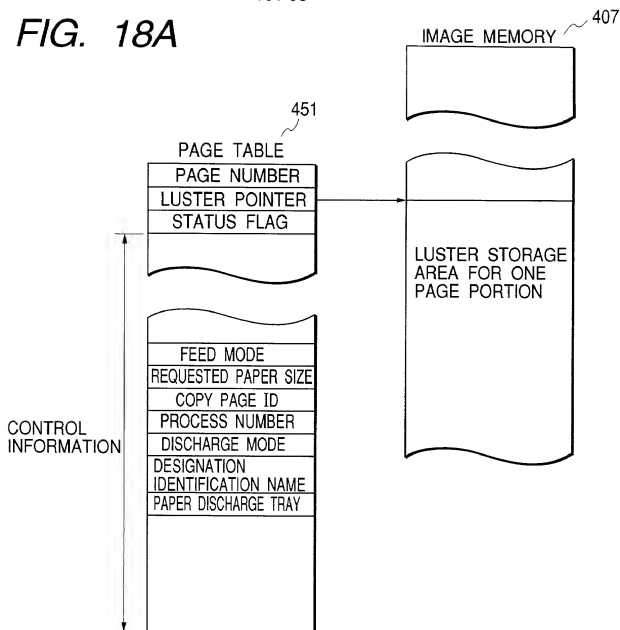


FIG. 18B

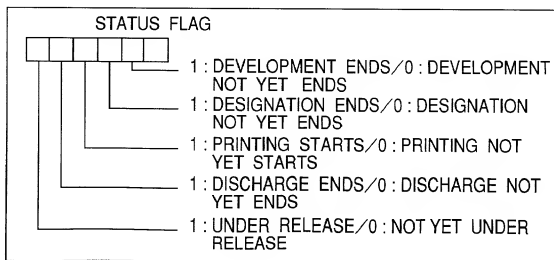


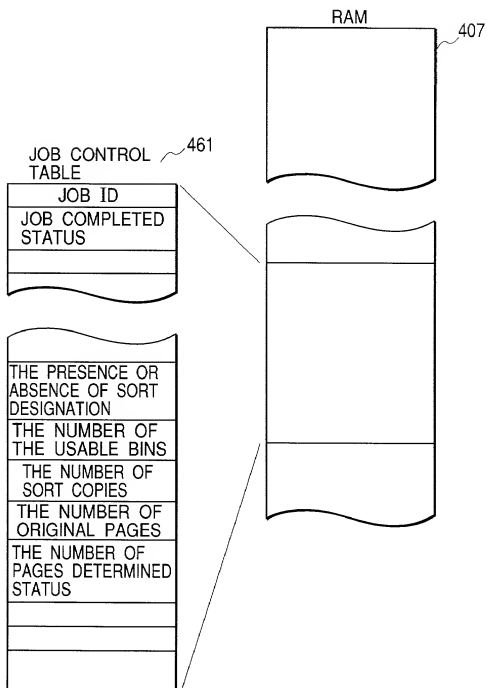
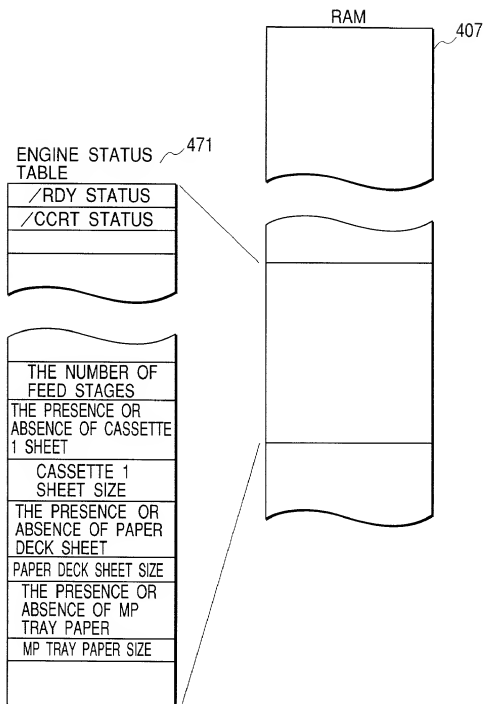
FIG. 19

FIG. 20



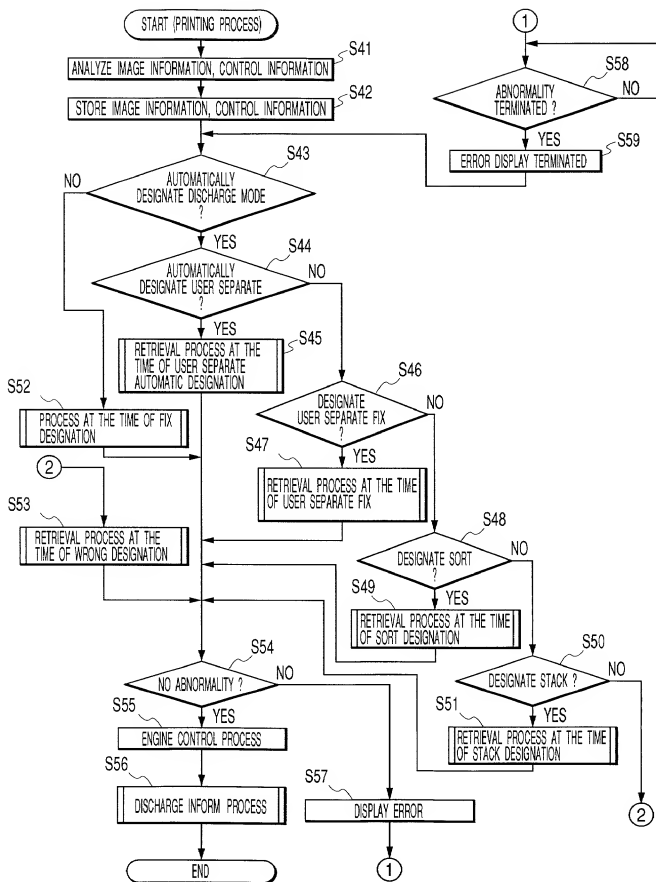
[illegible]

FIG. 22

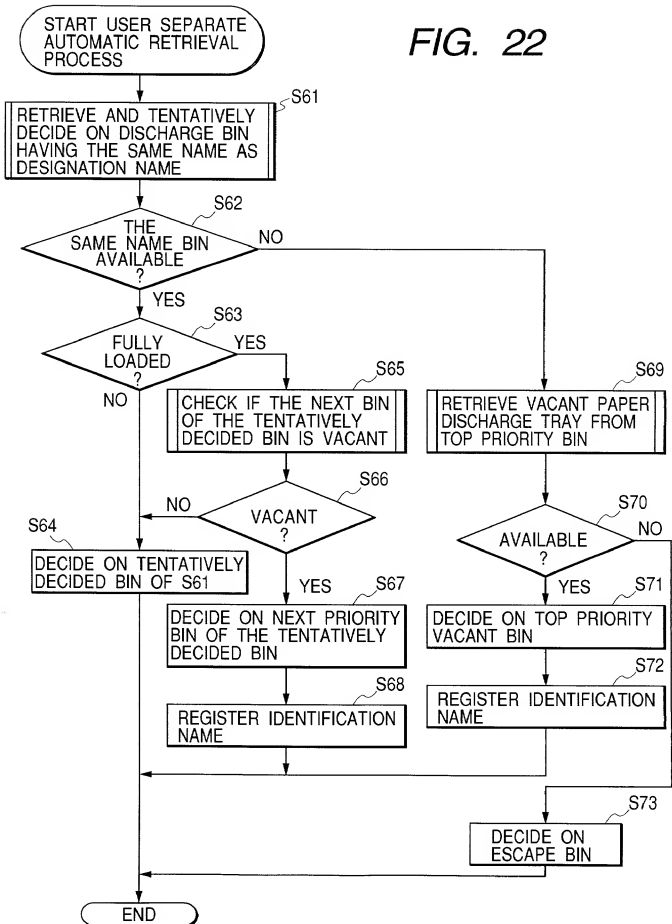


FIG. 24

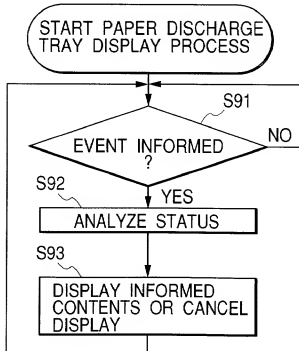


FIG. 25

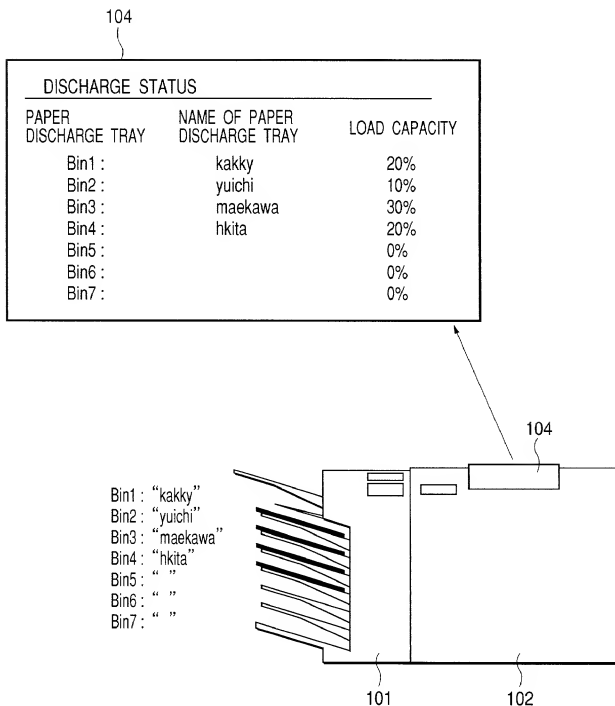


FIG. 26

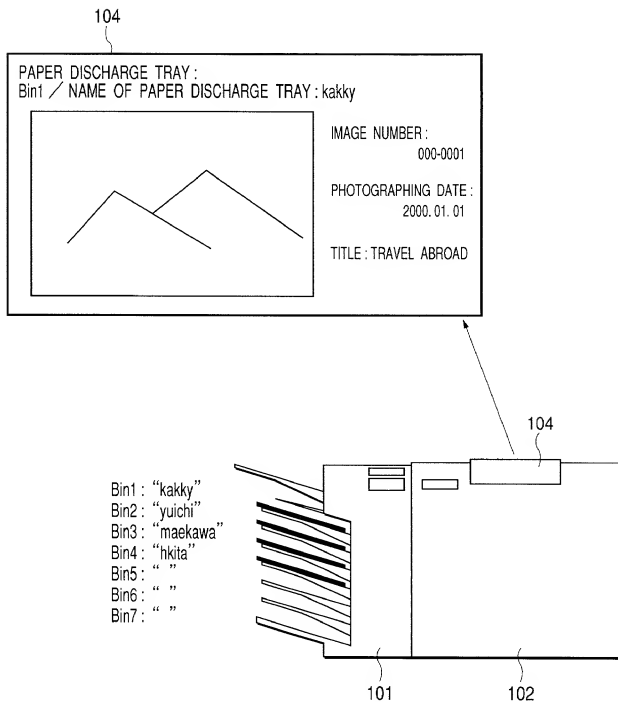
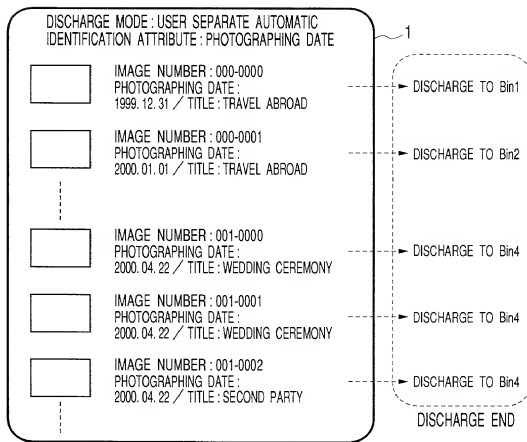


FIG. 27



MEMORY CONTENTS

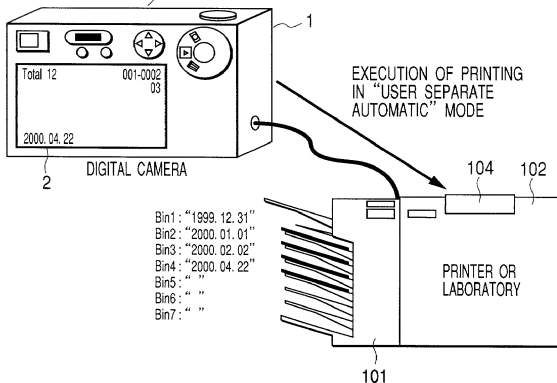


FIG. 28

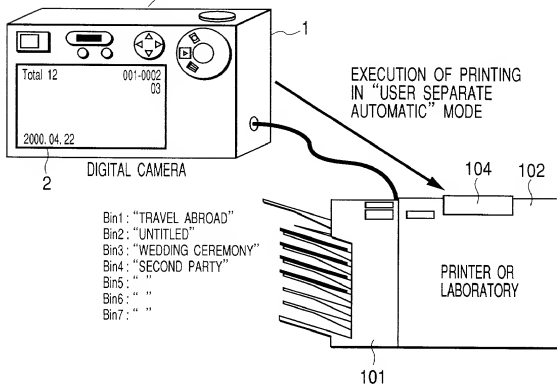
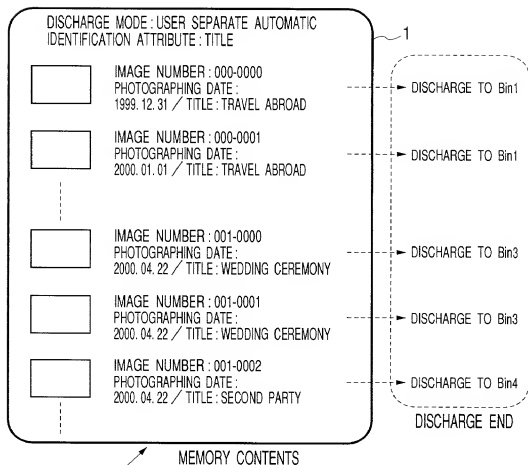
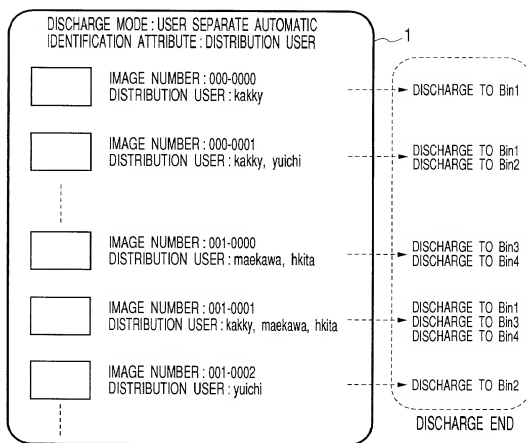
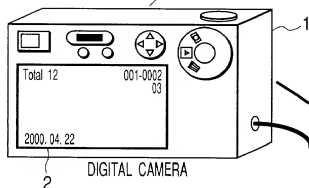


FIG. 29



MEMORY CONTENTS

EXECUTION OF PRINTING
IN "USER SEPARATE
AUTOMATIC" MODE

Bin1 : "kakky"
Bin2 : "yuichi"
Bin3 : "maekawa"
Bin4 : "hkita"
Bin5 : "
Bin6 : "
Bin7 : "

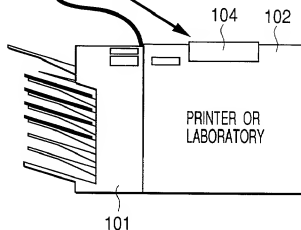


FIG. 30A

2

PRINTING SETTING

CONTENT OF SETTING :

- * DISCHARGE MODE
- MEDIUM
- GRAPHIC MODE
- PRINTING SYSTEM

DISPLAY THE FOLLOWING ITEMS

DECIDE (→) RETURN (←)

FIG. 30B

2

PRINTING SETTING

DISCHARGE MODE :

- * USER SEPARATE AUTOMATIC
- USER SEPARATE FIX
- SORT
- STACK

DECIDE (→) RETURN (←)

FIG. 30C

2

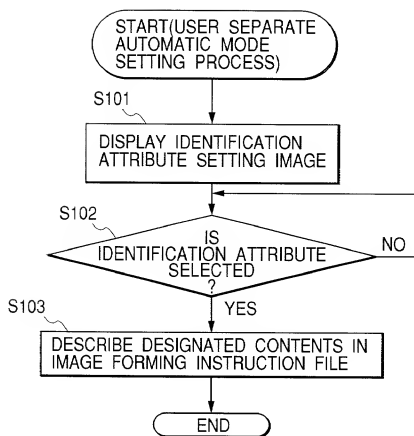
PRINTING SETTING

SORT METHOD :

- * DISTRIBUTION USER
- TITLE
- PHOTOGRAPHING DATE
- PRINTING TYPE

DISPLAY THE FOLLOWING ITEMS

DECIDE (→) RETURN (←)

FIG. 31

2

2

2

PRINTING EXECUTION

UNDER PRINTING EXECUTION ... 50%

* INTERRUPT PRINTING

 DISPLAY JOB CONTENT

 DISPLAY DISCHARGE CONDITION OF PRINTER

RETURN TO MENU IMAGE

DECIDE (→)

RETURN (←)

FIG. 33

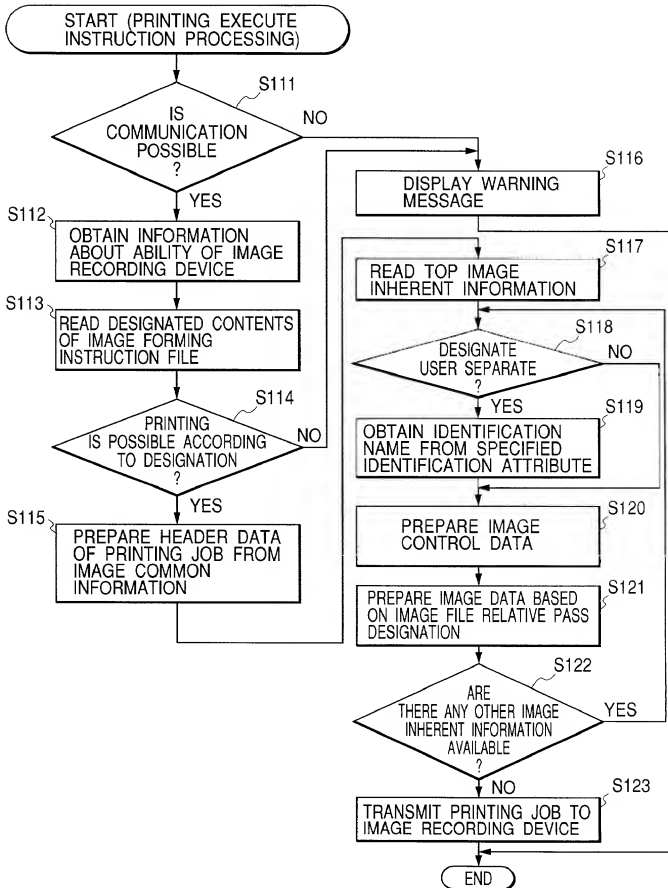


FIG. 34

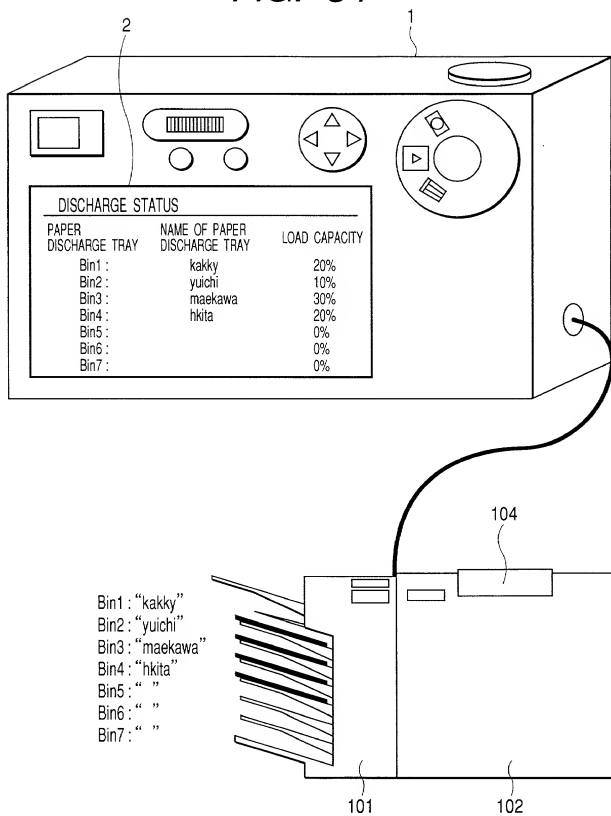


FIG. 35

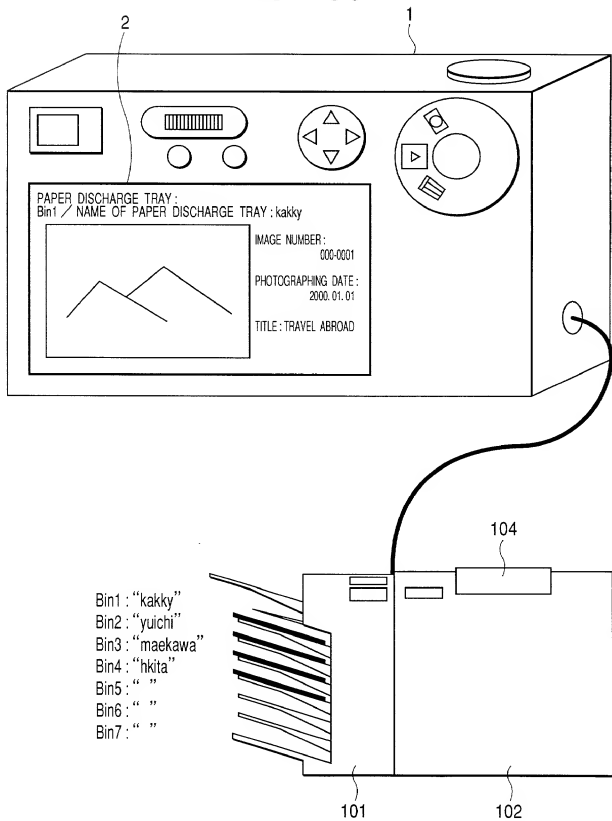


FIG. 36

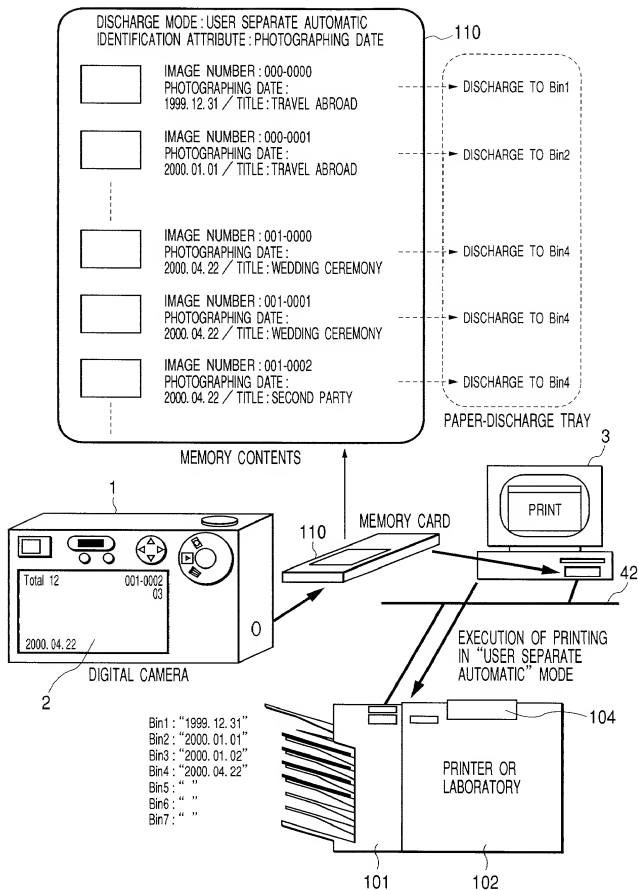


FIG. 37

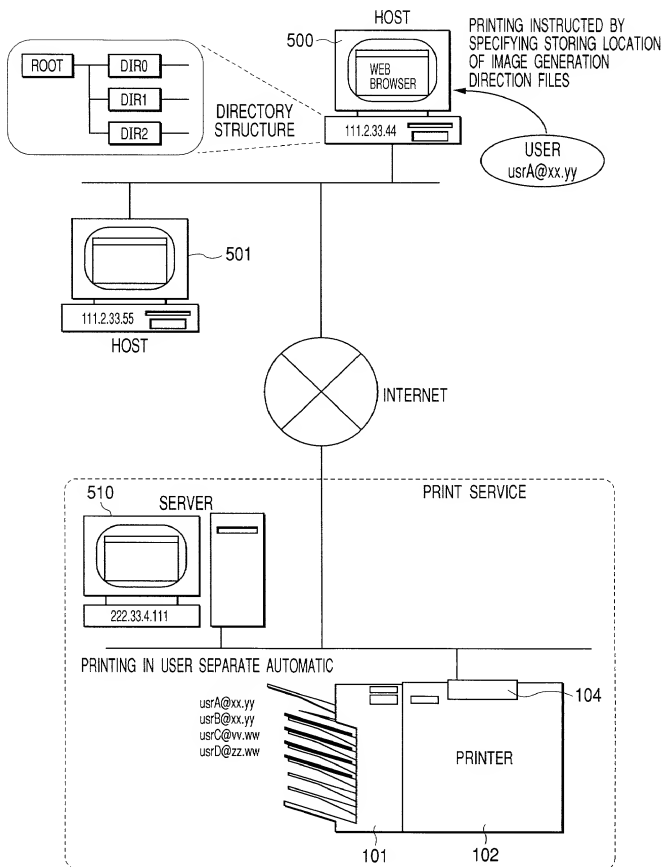


FIG. 38

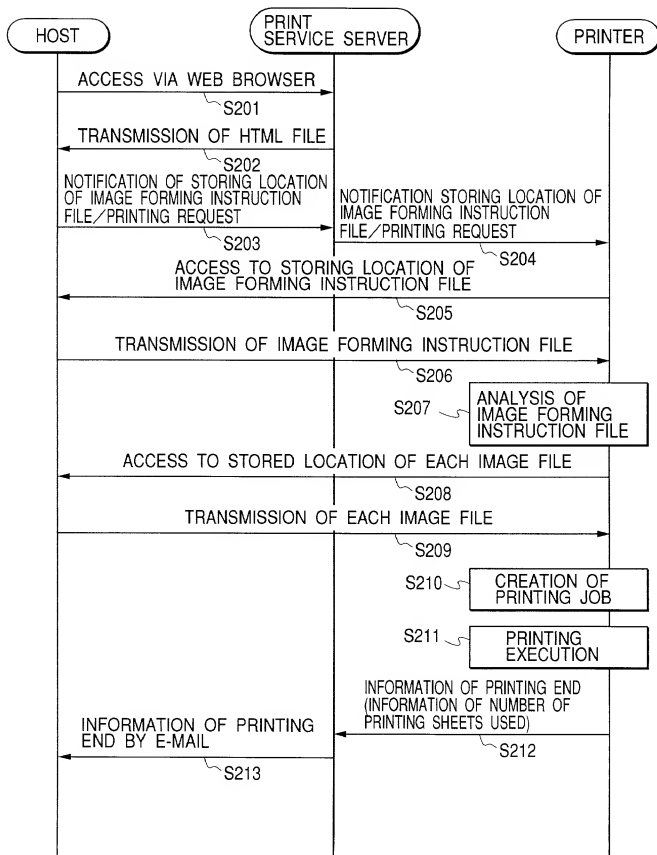


FIG. 39

400

| | | | |
|------------------------------|------|---|---|
| FILE EDIT DISPLAY HELP | | | |
| BACK | NEXT | STOP | SEARCH <input style="width: 90%;" type="text"/> |
| BOOKMARK | | LOCATION: <input style="width: 90%;" type="text" value="http://www.printservice.aa.bb/print/index.html"/> | |

REQUEST OF PRINT SERVICE

TRUSTEE SERVICE COMPANY:

PATENT PRINTING SERVICE
▼

STORE LOCATION OF IMAGE FORMING INSTRUCTION FILE

HOST INFORMATION (IP ADDRESS):

111.2.33.44

DIRECTORY INFORMATION:

/user/share/doc/www/print/form.dpf

EDIT OF IMAGE FORMING INSTRUCTION FILE

RECEPTION METHOD:

☒ PERSONAL DELIVERY AT SERVICE WINDOW

SPECIFIED SERVICE WINDOW:

PATENT PRINTING SERVICE SHIMOMARUKO BRANCH

 ▼

☐ HOME DELIVERY

PRINT START

PRINT RESERVATION

FIG. 40

401

| | | | | | | | | | |
|------|--|------|--|------|--|---------|--|------|--|
| FILE | | | | EDIT | | DISPLAY | | HELP | |
| BACK | | NEXT | | STOP | | SEARCH | | | |

BOOKMARK LOCATION :

EDIT OF IMAGE FORMING INSTRUCTION FILE

STORE LOCATION OF IMAGE FORMING INSTRUCTION FILE (DIRECTORY) :

SPECIFICATION OF IMAGE FILE :

/user/share/doc/www/print/travel/000-0000.jpg
 /user/share/doc/www/print/travel/000-0001.jpg
 /user/share/doc/www/print/travel/000-0002.jpg
 /user/share/doc/www/print/travel/000-0003.jpg
 /user/share/doc/www/print/home/002-0002.jpg
 /user/share/doc/www/print/home/002-0003.jpg
 /user/share/doc/www/print/home/002-0005.jpg

USER INFORMATION :

NAME :

E-MAIL ADDRESS :

ADDRESS :

TELEPHONE NUMBER :

FIG. 41

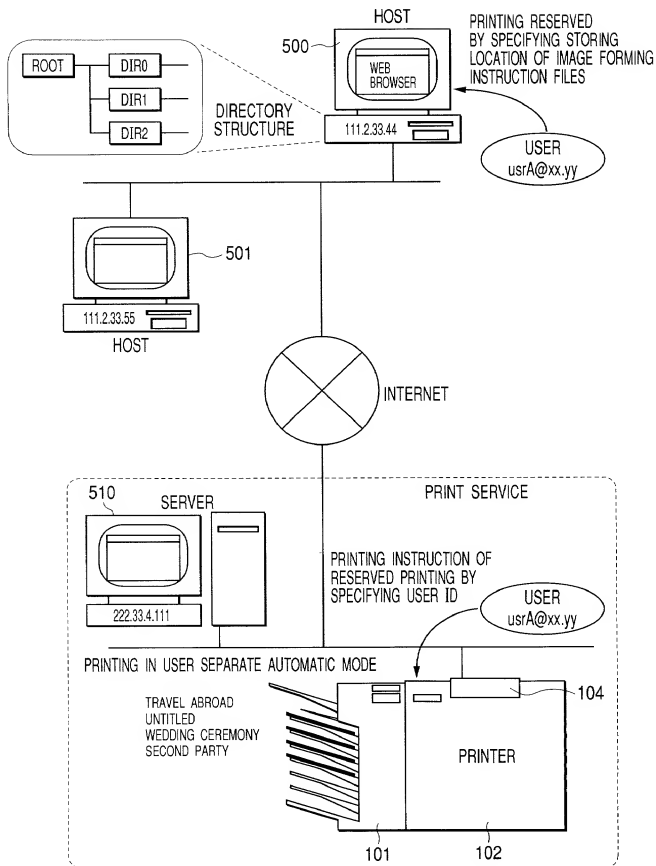


FIG. 42

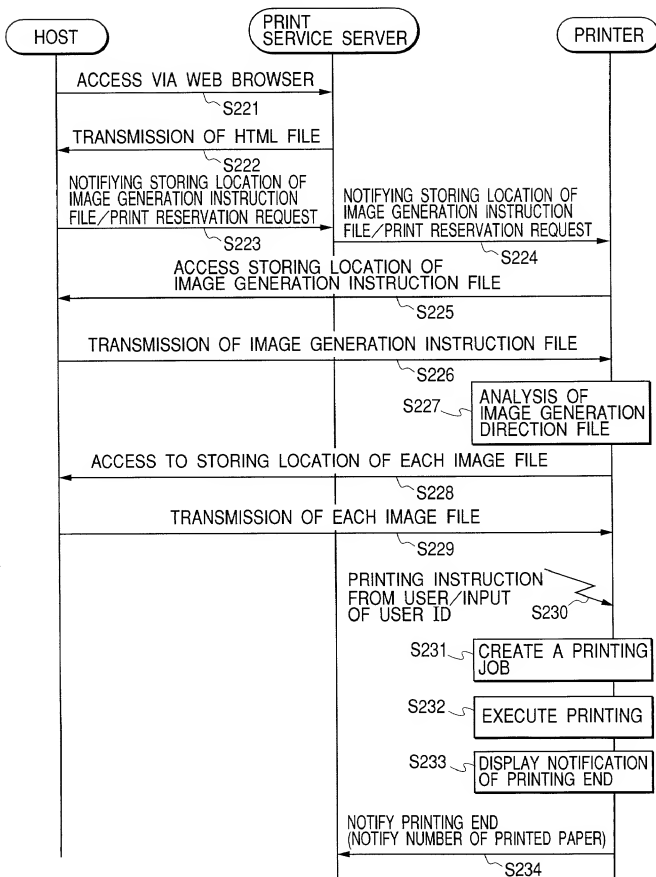


FIG. 43

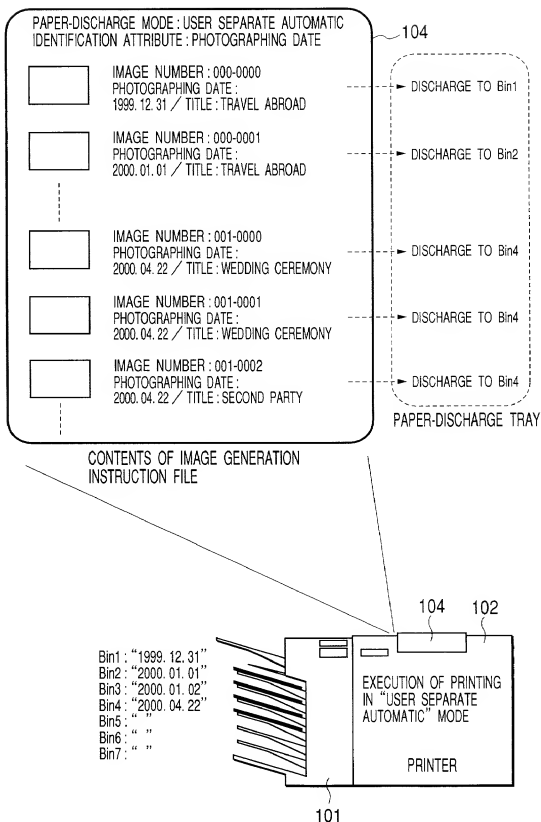


FIG. 44

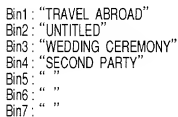


FIG. 45

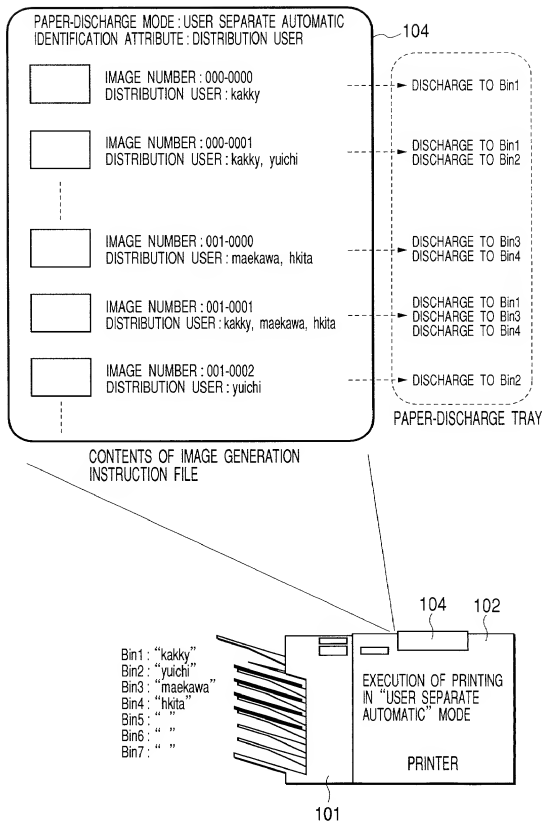


FIG. 46

104

PRINTING INSTRUCTION

IMAGE DESIGNATION : INDEX + ALL IMAGES ▼

MEDIA :

| | |
|--------------|---|
| PLAIN PAPER | ▲ |
| POSTCARD | |
| PHOTOGRAPH | |
| GLOSSY PAPER | |
| OHP SHEET | ▼ |

SORT METHOD :

| | |
|-------------------|---|
| OWNER | ▲ |
| DATE | |
| TITLE | |
| DISTRIBUTION USER | |
| DIRECTORY | ▼ |

IS IT OK TO START PRINTING IN THE ABOVE SETTING ?

OK CANCEL

FIG. 47

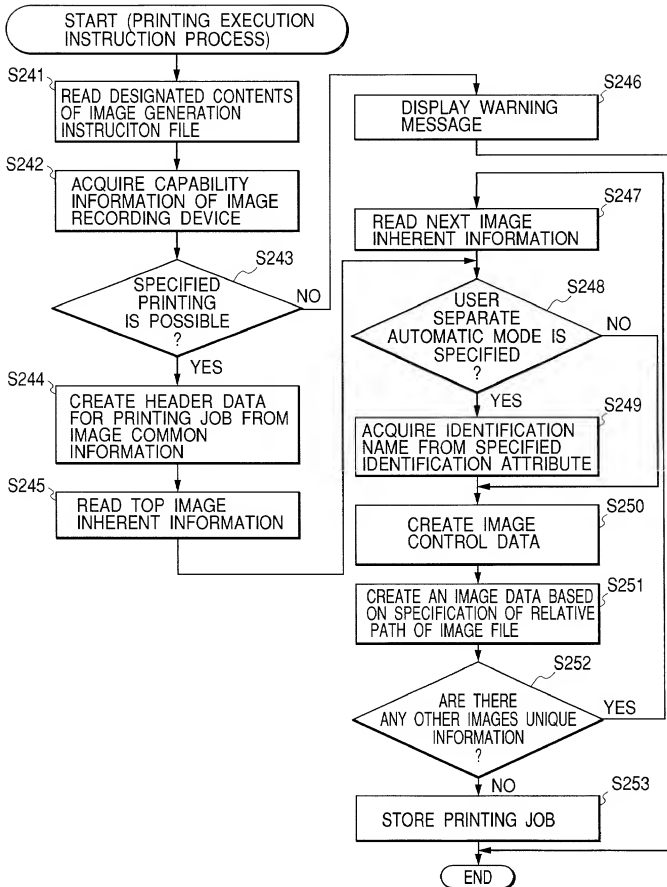


FIG. 48

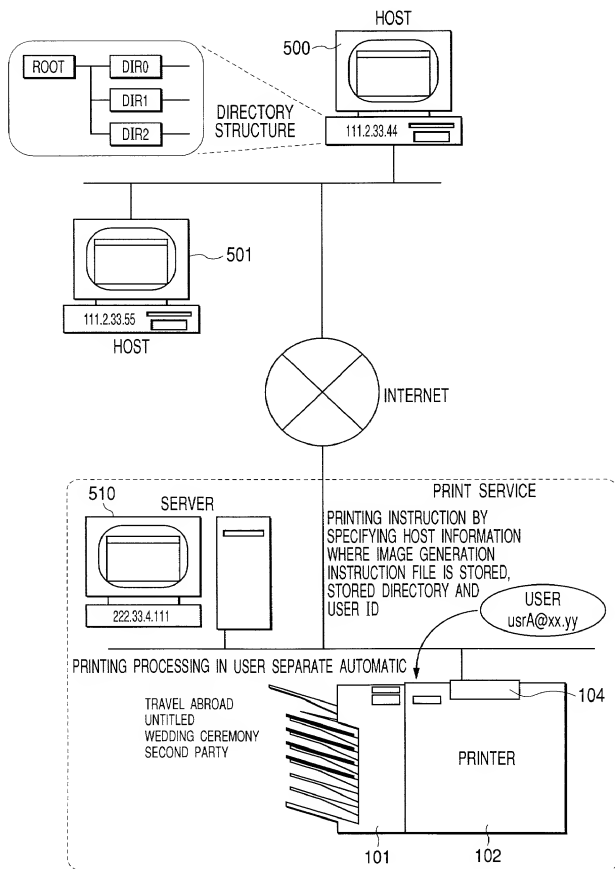


FIG. 49

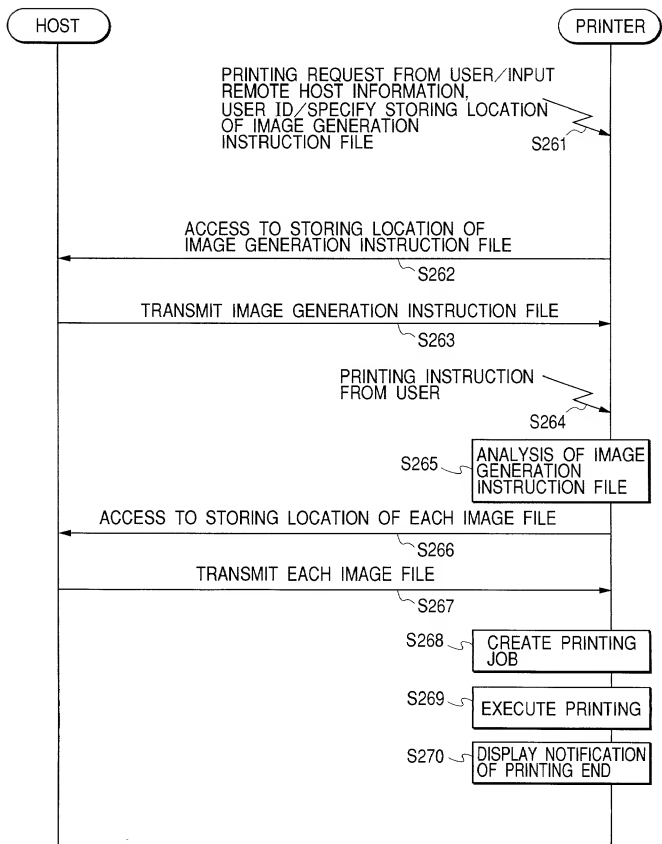


FIG. 50

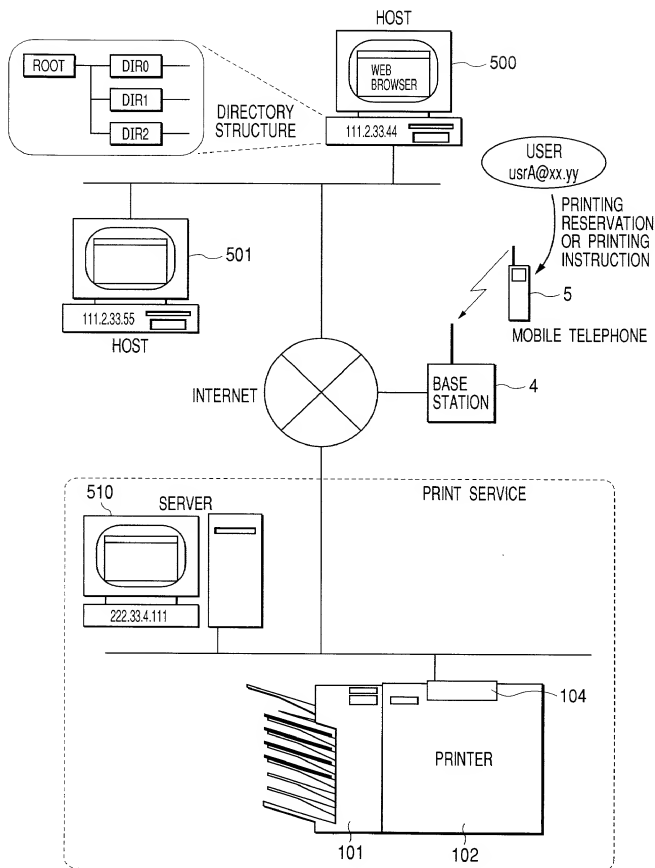
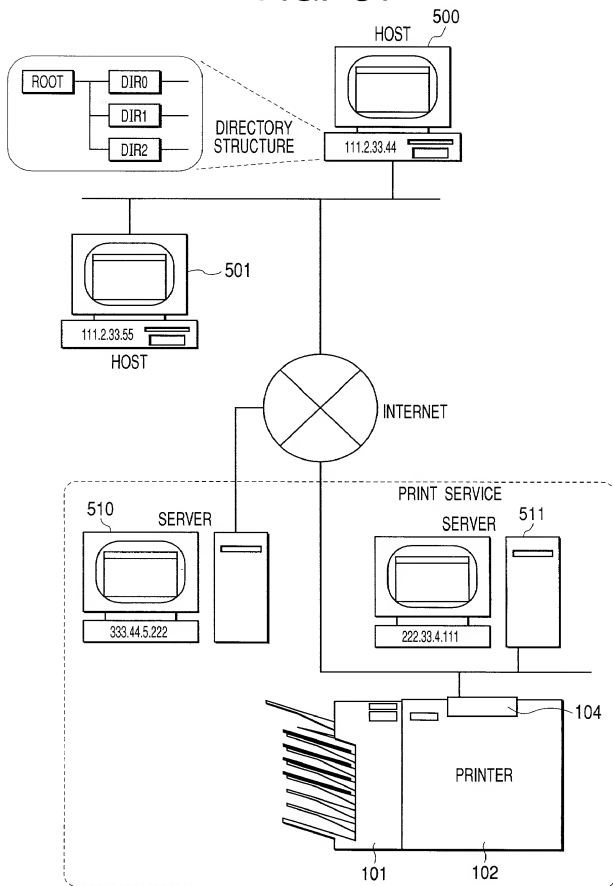


FIG. 51



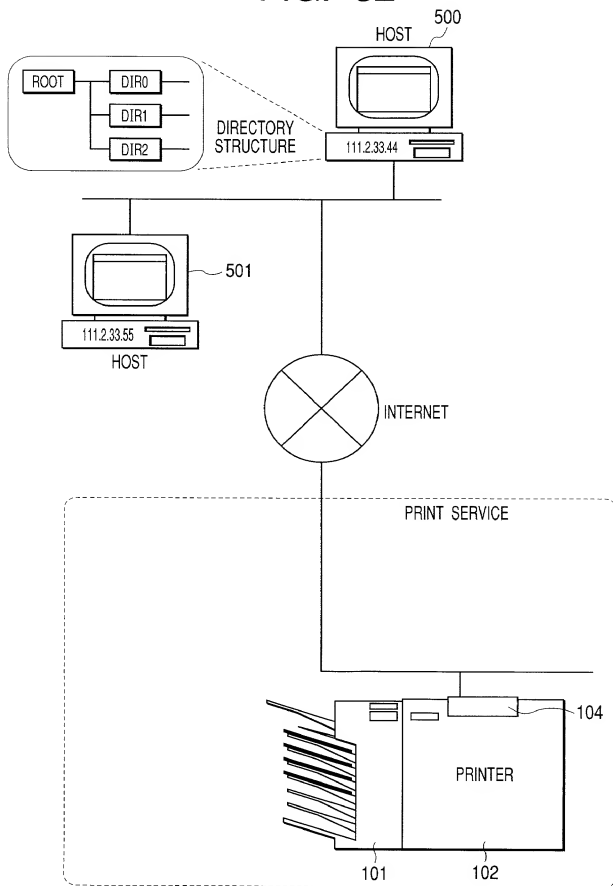
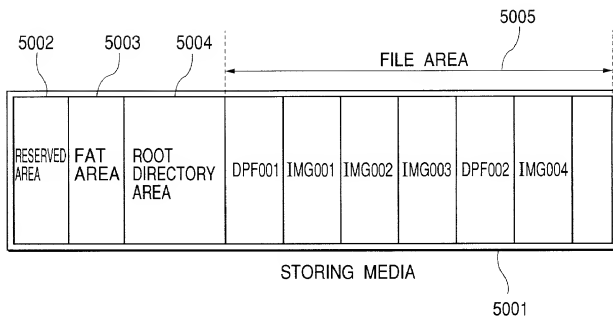


FIG. 53A**FIG. 53B**

DPFxxx

IMAGE GENERATION
INSTRUCTION DATA
(IMAGE DATA
REFERENCED: IMG001
 IMG002
 IMG003)

FIG. 53C

IMGxxx

IMAGE DATA

FIG. 54

